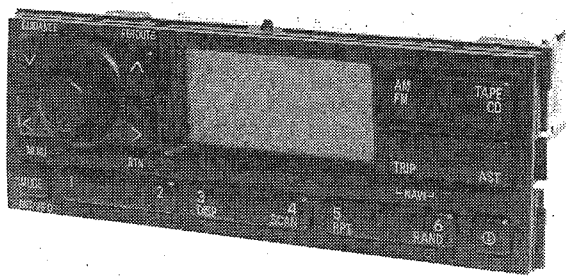
TOYOTA
AUDIO COMPONENT SERVICE MANUAL



CN-TS6070L

Display Unit

TOYOTA PART No. : 86110-05010
VEHICLE : AVENSIS
DESTINATION : Europe
PRODUCTED AFTER : Jly., 2000

Specification*

General			
Power Supply	DC 12V (11V - 16V),		
	Test Voltage 13.2V	Dimensions**	200 x 71 x 96 mm
	Negative Ground	Weight**	680g
Current Consumption	Less than 1A		
Display Block			
Display Type	Positive Pattern LCD Display		
Display Size	77 × 42 (mm)		
Display Illumination	Back-Light Type		

* Specifications and the design are subject to possible modification without notice due to improvements.

** Dimensions and Weight shown are approximate.

Manufactured for TOYOTA
by Matsushita Communication Industrial Co., Ltd.

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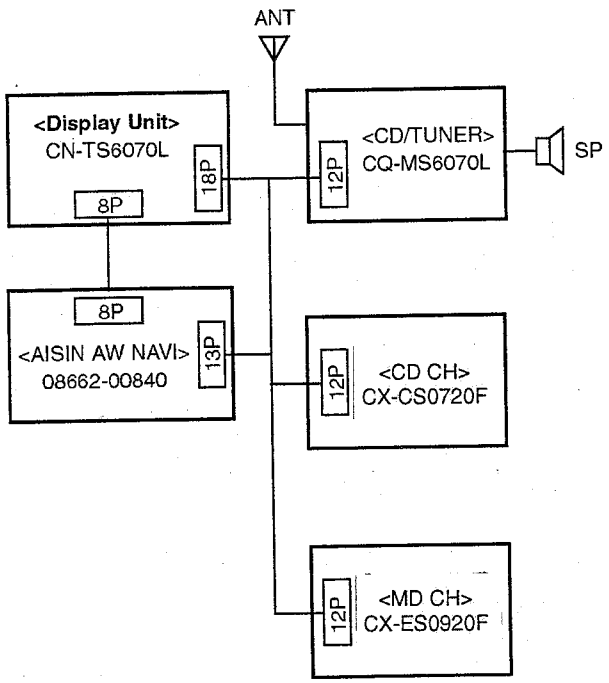
1 FEATUERS

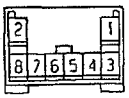
- Employing HIT 64 for the transmission with NAVI.
- Featuring the function of displaying various Trip information (Outside air temperature, instantaneous fuel consumption, average fuel consumption and average travelling speed).

2 SYSTEM BLOCK DIAGRAM

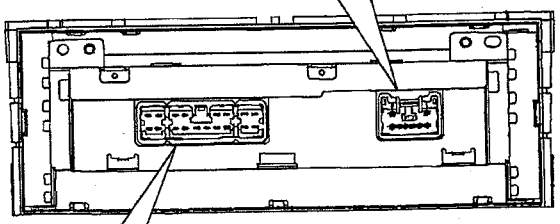


3 REAR VIEW AND CONNECTORS

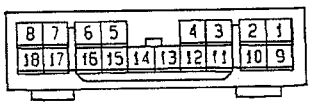
<CN800 8P CONNECTOR>



1.	BUS Request Output	(BRQ)
2.	No Connection	
3.	Signal Ground	(S.GND)
4.	HIT 64 Communication Data (-)	(HIT -)
5.	HIT 64 Communication Data (+)	(HIT +)
6.	No Connection	
7.	No Connection	
8.	No Connection	

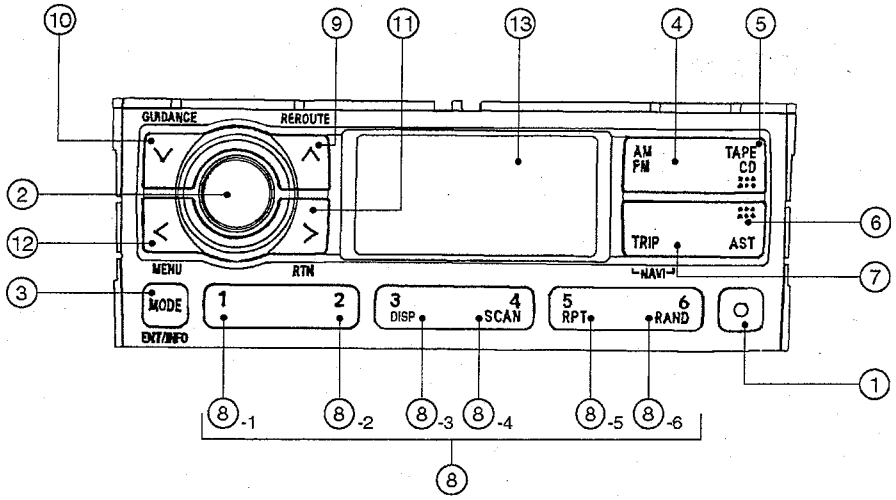


<CN700 18P CONNECTOR>



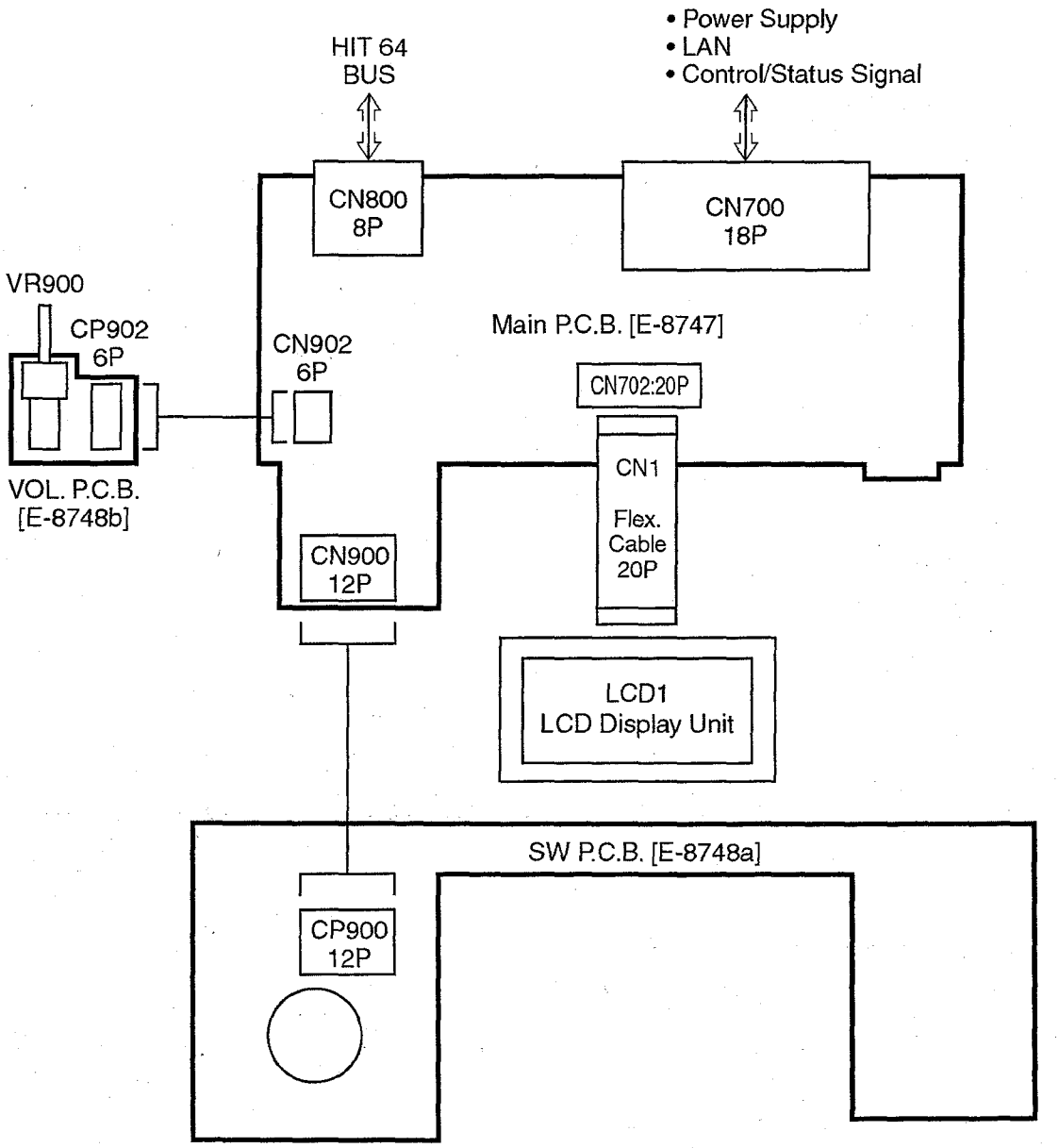
1.	Engine Type Ver.2 Input	(VER2)
2.	Engine Type Ver.1 Input	(VER1)
3.	AVC-LAN Data (+)	(TX +)
4.	Earth	(GND)
5.	Fuel Sender (-)	(FE)
6.	Fuel Sender (+)	(FR)
7.	Ignition Voltage Input	(IG)
8.	Power Supply, +B	(+B)
9.	Engine Type Ver.4 Input	(VER4)
10.	Engine Type Ver.3 Input	(VER3)
11.	AVC-LAN Data (-)	(TX -)
12.	Outside Temperature (-)	(TH -)
13.	Outside Temperature (+)	(TH +)
14.	Injector Voltage Input	(TAUB)
15.	Injector Drive Signal Input	(TAU)
16.	Speed Pulse Input	(SPD)
17.	Illumi. (+)	(ILL+)
18.	Power Supply, ACC	(ACC)

4 FRONT VIEW AND FUNCTIONS

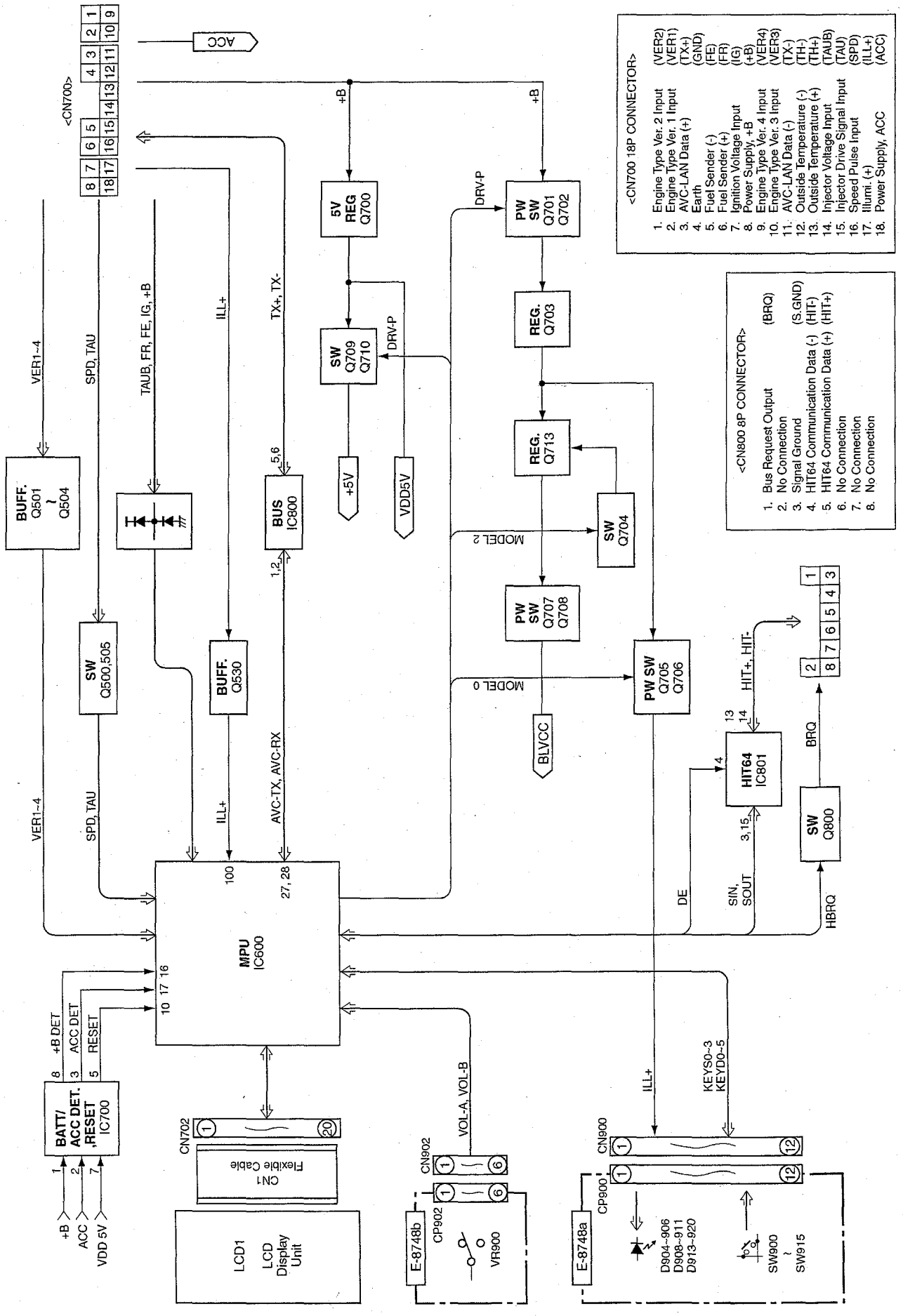


① Power on/off.
② VolumeControl/Audio level adjustment.
③ MODE : Set up mode change.
ENT : NAVI-set up message confirmation.
INFO : RDS-PTY mode selection.
④ AM/FM : Radio mode selection.
⑤ TAPE/CD : Tape/CD mode selection.
⑥ AST : Radio station auto store.
⑦ TRIP : Trip information display.
NAVI : NAVI display mode.
⑧ 1~6 : Radio station preset/call.
⑧-3 DISP : Disc Track Number/Clock change.
⑧-4 SCAN : CD/MD track scanning.
⑧-5 RPT : CD/MD repeate play.
⑧-6 RAND : CD/MD random play.
⑨ ∧ : CD/MD disc up.
: Trip information unit setting.
: TP/TA and AF/REG setting.
: Time setting (Hours).
REROUTE : NAVI routing activation.
⑩ ∨ : CD/MD disc down.
: Trip information unit setting.
: TP/TA and AF/REG setting.
: Time setting (Minutes).
GUIDANCE : NAVI sound guidance reproduction.
⑪ > : Audio mode selection.
: Radio tune/seek up.
: CD/MD track up / fast up feeding.
: RDS set up mode change.
: NAVI menu returning.
⑫ < : Audio mode selection.
: Radio tune/seek down.
: CD/MD track down / fast down feeding.
: RDS set up mode change.
: NAVI menu returning.
⑬ LCD Display Unit

5 WIRING CONNECTIONS



6 BLOCK DIAGRAM



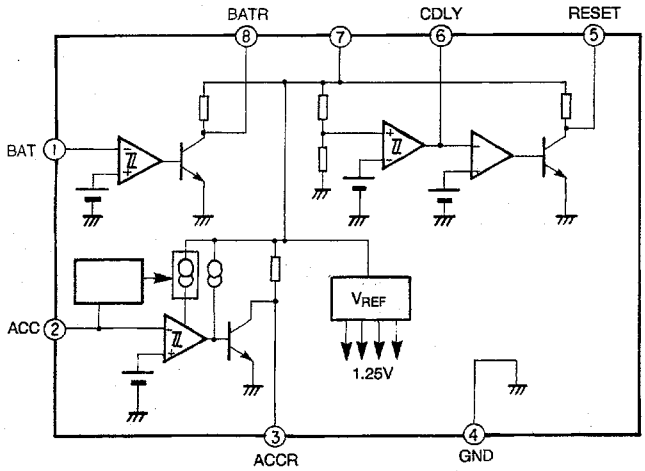
7 TERMINALS DESCRIPTION

7.1. Main Block

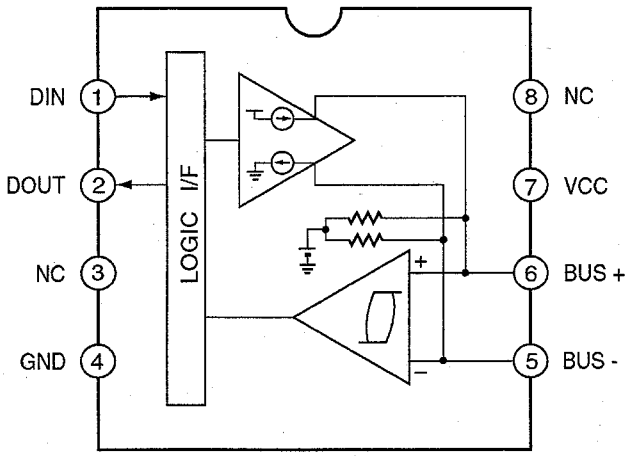
IC600 : C2CBJG000062

Pin No.	Port	Description	I/O	(V)
1	D/A1	No connection	-	-
2	D/A0	No connection	-	-
3	NC	No connection	-	-
4	NC	No connection	-	-
5	TAU	Injector pulse input	I	0
6	GND	Ground	-	0
7	GND	Ground	-	0
8	32.768kHz	Crystal oscillator	I	0.3
9	32.768kHz	Crystal oscillator	O	1.2
10	RESET	Reset input	I	4.7
11	10MHz	Crystal oscillator	O	2.5
12	GND	Ground	-	0
13	10MHz	Crystal oscillator	I	1.8
14	VCC	+5V power supply	-	5.1
15	BYTE	+5V power supply	-	5.1
16	+B-DET	Battery level detection	I	4.7
17	ACC-DET	ACC level detection	I	4.7
18	SPD	Speed pulse input	I	0
19	AVC-TM	AVC-LAN start/stpo detection	I	0
20	DRV-P	Internal power supply detection	I	5.1
21	NC	No connection	-	-
22	NC	No connection	-	-
23	VOL-B	Volume pulse counter input	I	5.0
24	VOL-A	Volume pulse counter input	I	0.5
25	DE	Enable signal for HIT64	O	0
26	HBRQ	Bus request signal for HIT64	O	0
27	AVC RX	AVC-LAN data	I	0
28	AVC TX	AVC-LAN data	O	0
29	SI	Serial data for LCD driver	O	0
30	RXD	Not used	-	0
31	SCL	Shift clock for LCD driver	O	0
32	CS2	Chip select for LCD driver	O	0.2
33	SOUT	Serial data for HIT64	O	0
34	SIN	Serial data for HIT64	I	0
35	CS1	Chip select for LCD driver	O	0.4
36	A0	Data/command selector	O	0
37	NC	No connection	-	-
38	NC	No connection	-	-
39	EPM	Not used	-	2.6
40	LCD-P	Not used	-	-
41	THM-P	Not used	-	-
42	BL-P	+5V power supply	O	5.1
43	RES	Reset for LCD driver	O	5.1
44	HPM	Not used	-	0
45	MODEL2	Back light dimmer control	O	0
46	MODEL1	Not used	-	-
47	MODEL0	Illumination control	O	0
48	CS1	Not used	-	-
49	KEY S3	Key scan 3	O	4.9
50	KEY S2	Key scan 2	O	4.9
51	KEY S1	Key scan 1	O	5.0
52	KEY S0	Key scan 0	O	5.0
53	KEY D7	Key data 7	I	5.0
54	KEY D6	Key data 6	I	5.0
55	KEY D5	Key data 5	I	5.0
56	KEY D4	Key data 4	I	5.0
57	KEY D3	Key data 3	I	5.0
58	KEY D2	Key data 2	I	5.0
59	KEY D1	Key data 1	I	5.0
60	VCC	+5V power supply	-	5.1
61	KEY D0	Key data 0	I	5.0
62	VSS	Ground	-	0
63	MODEL3	Model selector 3	I	4.8
64	MODEL2	Model selector 2	I	4.8
65	MODEL1	Model selector 1	I	0
66	MODEL0	Model selector 0	I	0
67	VER4	Engine type signal 4	I	0
68	VER3	Engine type signal 3	I	0
69	VER2	Engine type signal 2	I	0
70	VER1	Engine type signal 1	I	0
71	VREF-D9	Not used	-	-
72	VREF-D8	Not used	-	-
73	VREF-D7	Not used	-	-
74	VREF-D6	Not used	-	-
75	VREF-D5	Reset detection for LCD driver	I	4.8
76	TEST MODE	Not used	-	-
77	VREF-D3	Not used	-	-
78	VREF-D2	Not used	-	-
79	DM-D9	Not used	-	-
80	DM-D8	Not used	-	-
81	DM-D7	Not used	-	-
82	DM-D6	Not used	-	-
83	DM-D5	Not used	-	-
84	DM-D4	Not used	-	-
85	DM-D3	Not used	-	-
86	DM-D2	Not used	-	-
87	NC	No connection	-	-
88	NC	Not used	-	3.2
89	NC	Not used	-	3.2
90	LCD TEMP	LCD temperature detection	I	1.6
91	IG	Ignition voltage	I	0
92	FUEL	Fuel meter detection	I	0
93	TEMP	Open air temperature	I	4.9
94	AVSS	Ground	-	0
95	TAUB	Injector drive voltage	I	5.1
96	VREF	+5V power supply	-	5.1
97	AVCC	+5V power supply	-	5.1
98	L	Not used	-	-
99	NC	No connection	-	-
100	ILL +	Illumination detection	I	5.1

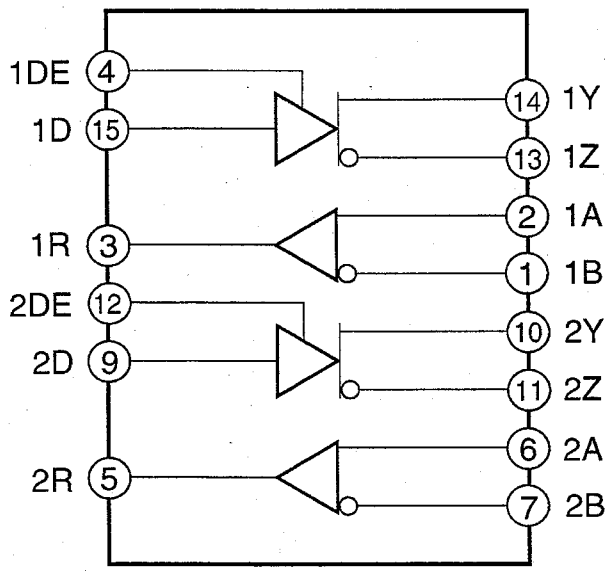
8 IC BLOCK DIAGRAM



IC700 : AN8065SE1



IC800 : YEAMPA0051AM



IC801 : C1EB00000017

9 REPLACEMENT PARTS LIST

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
5. "MCC" marks in remarks column are indicated supply parts of Matsushita Communication Industrial Corp. of America (MCC).

9.1. MAIN BLOCK [E8747]

IC's and Transistors

Ref. No.	Part No.	Part Name & Description	Remarks
IC600	C2CBJG000062	IC	
IC700	AN8065SE1	IC	
IC800	YEAMPA0051AM	IC	
IC801	C1EB00000017	IC	
Q500	B1ABCF000042	Transistor	
Q501	YEANA114EKTX	Transistor	
Q502	YEANA114EKTX	Transistor	
Q503	YEANA114EKTX	Transistor	
Q504	YEANA114EKTX	Transistor	
Q505	B1ABCF000042	Transistor	
Q530	B1GBCFNN0005	Transistor	
Q700	2SD2139TA	Transistor	
Q701	YEANHQ1F3PT1	Transistor	
Q702	B1GBCFNN0005	Transistor	
Q703	2SD12730J	Transistor	
Q704	B1GBCFNN0005	Transistor	
Q705	YEANFP1F3PT1	Transistor	
Q706	B1GBCFNN0005	Transistor	
Q707	YEANFP1F3PT1	Transistor	
Q708	B1GBCFNN0005	Transistor	
Q709	YEANFP1F3PT1	Transistor	
Q710	B1GBCFNN0005	Transistor	
Q713	B1BBAC000007	Transistor	
Q800	B1GBCFNN0005	Transistor	

Diodes

Ref. No.	Part No.	Part Name & Description	Remarks
D500	MA151WATX	Diode	
D501	YEAD1SS355T1	Diode	
D502	YEAD1SS355T1	Diode	
D503	YEAD1SS355T1	Diode	
D504	YEAD1SS355T1	Diode	
D506	MA8056LMHTX	Diode	
D507	MA8056LMHTX	Diode	
D508	MA8056LMHTX	Diode	
D509	MA8056LMHTX	Diode	
D512	MA153TX	Diode	
D520	MA153TX	Diode	
D521	MA153TX	Diode	
D530	MA8068MTX	Diode	
D534	YEADSR1544TL	Diode	
D535	MA153TX	Diode	
D536	MA153TX	Diode	
D649	YEAD1SS355T1	Diode	
D650	YEAD1SS355T1	Diode	
D651	YEAD1SS355T1	Diode	
D652	YEAD1SS355T1	Diode	
D700	YEAD30D2FC6	Diode	
D701	YEADEC10DS1	Diode	
D702	MA8051MTX	Diode	
D703	YEAD1SS355T1	Diode	
D704	YEAD1SS355T1	Diode	
D705	MA8082HTX	Diode	
D706	YEAD1SS355T1	Diode	
D707	MAZ80620HL	Diode	
D708	YEAD1SS355T1	Diode	
D709	YEAD1SS355T1	Diode	
D800	YEADRD18M2T1	Diode	
D801	YEADRD13P2T1	Diode	
D802	YEADRD13P2T1	Diode	
D803	YEAD1SS355T1	Diode	
D808	YEADRD18M2T1	Diode	

Capacitors

Ref. No.	Part No.	Part Name & Description	Remarks
C501	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C502	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C503	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C504	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C505	YECUS1H473KX	Ceramic, 0.047µF 50WV	
C511	YECUV2A102KX	Ceramic, 0.001µF 100WV	
C513	YECUV2A103KX	Ceramic, 0.01µF 100WV	
C514	YECUS1H471JC	Ceramic, 470PF 50WV	
C515	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C520	YECUV2A103KX	Ceramic, 0.01µF 100WV	
C521	YECUS1H471JC	Ceramic, 470PF 50WV	
C522	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C523	YECUV2A103KX	Ceramic, 0.01µF 100WV	
C524	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C530	YECUV2A103KX	Ceramic, 0.01µF 100WV	
C531	YECUV2A103KX	Ceramic, 0.01µF 100WV	
C532	YECUS1C224KX	Ceramic, 0.22µF 16WV	
C533	YECUS1H471JC	Ceramic, 470PF 50WV	
C534	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C535	YECUV2A103KX	Ceramic, 0.01µF 100WV	
C536	YECUS1H471JC	Ceramic, 470PF 50WV	
C537	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C608	YECUS1H150JC	Ceramic, 15PF 50WV	
C609	YECUS1H150JC	Ceramic, 15PF 50WV	
C610	YECUS1H100CC	Ceramic, 10PF 50WV	
C611	YECUS1H220JC	Ceramic, 22PF 50WV	
C613	YECUS1H220JC	Ceramic, 22PF 50WV	
C631	YECUS1H100CC	Ceramic, 10PF 50WV	
C660	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C690	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C691	YECUS1H473KX	Ceramic, 0.047µF 50WV	
C700	YECUV2A103KX	Ceramic, 0.01µF 100WV	
C701	ECA1CM102B	Electrolytic, 1000µF 16WV	
C702	YECUV2A103KX	Ceramic, 0.01µF 100WV	
C703	ECEA1CKA470B	Electrolytic, 47µF 16WV	
C704	ECA1CM221B	Electrolytic, 220µF 16WV	
C705	ECA1CM101B	Electrolytic, 100µF 16WV	
C707	ECEA1CKA470B	Electrolytic, 47µF 16WV	
C708	ECA1CM221B	Electrolytic, 220µF 16WV	
C709	YECUS1H103KX	Ceramic, 0.01µF 50WV	
C710	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C711	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C712	ECEA1CKA470B	Electrolytic, 47µF 16WV	
C714	ECEA1CKA470B	Electrolytic, 47µF 16WV	
C715	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C719	ECA1CM221B	Electrolytic, 220µF 16WV	
C720	YECUS1C104KX	Ceramic, 0.1µF 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C723	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C724	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C725	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C800	YECUS1H221JC	Ceramic, 220PF 50WV	
C801	YECUS1H221JC	Ceramic, 220PF 50WV	
C802	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C803	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C804	YECUS1H221JC	Ceramic, 220PF 50WV	

Resistors

Ref. No.	Part No.	Part Name & Description	Remarks
J503	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J600	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J665	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
J700	ERJ12RQJR33U	Chip, 0.33Ω 1/2W	
J701	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J716	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J717	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J750	ERJ12RQJR33U	Chip, 0.33Ω 1/2W	
R500	ERJ6GEYJ432	Chip, 4.3kΩ 1/10W	
R501	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R502	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R503	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R504	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R505	ERJ6GEYJ512	Chip, 5.1kΩ 1/10W	
R506	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R510	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R511	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R515	ERA6YED303V	Metal, 30kΩ 1/10W	
R516	ERA6YED103V	Metal, 10kΩ 1/10W	
R517	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R520	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R521	ERA6YED183V	Metal, 18kΩ 1/10W	
R522	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R523	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R525	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R526	ERA6YED202V	Metal, 2kΩ 1/10W	
R527	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R530	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R531	ERA6YED303V	Metal, 30kΩ 1/10W	
R532	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R533	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R534	D1BD12030001	Metal, 120kΩ 1/10W	
R535	ERA6YED393V	Metal, 39kΩ 1/10W	
R536	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R537	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R605	ERJ6GEYJ220	Chip, 22Ω 1/10W	
R607	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R608	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R610	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R611	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R616	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R617	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R618	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R620	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R623	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R624	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R629	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R630	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R631	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R633	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R634	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R637	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R638	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R639	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R642	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R643	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R645	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R647	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R655	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R656	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R657	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R658	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R659	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R661	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R670	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R676	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R688	ERJ6GEYJ274	Chip, 270kΩ 1/10W	
R689	D1BD47020001	Metal, 47kΩ 1/10W	
R690	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R700	ERJ12YJ2R2H	Chip, 2.2Ω 1/2W	
R701	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R702	ERJ6GEYJ182	Chip, 1.8kΩ 1/10W	
R703	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R705	ERJ6GEYJ1R0	Chip, 1Ω 1/10W	
R706	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R713	ERJ6RED274V	Chip, 270kΩ 1/10W	
R714	ERJ6RBD433V	Chip, 43kΩ 1/10W	
R715	ERJ6RBD273V	Chip, 27kΩ 1/10W	
R716	ERJ6RBD472V	Chip, 4.7kΩ 1/10W	
R717	ERJ6GEYJ271	Chip, 270Ω 1/10W	
R800	ERJ14YJ101H	Chip, 100Ω 1/4W	
R801	ERJ14YJ101H	Chip, 100Ω 1/4W	
R803	ERJ12YJ101H	Chip, 100Ω 1/2W	
R804	ERJ12YJ101H	Chip, 100Ω 1/2W	
R805	ERJ6GEYJ391	Chip, 390Ω 1/10W	
R806	ERJ6GEYJ391	Chip, 390Ω 1/10W	
R807	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R810	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R811	ERJ6GEYJ271	Chip, 270Ω 1/10W	
R812	ERJ6GEYJ103	Chip, 10kΩ 1/10W	

Resistor Networks

Ref. No.	Part No.	Part Name & Description	Remarks
RA623	EXBV8V102JV	Resistor Network	
RA626	EXBV8V102JV	Resistor Network	
RA632	EXBV8V102JV	Resistor Network	
RA649	EXBV8V102JV	Resistor Network	
RA653	EXBV8V472JV	Resistor Network	
RA657	EXBV8V472JV	Resistor Network	
RA667	EXBV8V102JV	Resistor Network	
RA683	EXBV8V473JV	Resistor Network	
RA691	EXBV8V220JV	Resistor Network	

Connectors

Ref. No.	Part No.	Part Name & Description	Remarks
CN1	YEAES20B070A	Connector, 20P	
CN700	K1FA118B0002	Connector, 18P	
CN702	YEAEFH2120S1	Connector, 20P	
CN800	YEAE012345	Connector, 8P	
CN900	YEAETKCF12PS	Connector, 12P	
CN901	YEAEBM10BSRS	Connector, 10P	
CN902	YEAETKCF06QS	Connector, 6P	

Crystals

Ref. No.	Part No.	Part Name & Description	Remarks
XL600	YEXLMC60327	Crystal OSC	
XL601	YEXL5F10000T	Crystal OSC	

Coils

Ref. No.	Part No.	Part Name & Description	Remarks
J712	YELTBLM21A10	Coil	
L501	YELTBLM21A10	Coil	
L502	YELTBLM21A10	Coil	
L503	YELTBLM21A10	Coil	
L504	YELTBLM21A10	Coil	
L691	YELTBLM21A10	Coil	
L700	YETQ012G157	Coil	
L701	YELT03N100KT	Coil	
L702	YELT03N100KT	Coil	
L704	YELT03N100KT	Coil	
L705	YELT03N100KT	Coil	

Filters

Ref. No.	Part No.	Part Name & Description	Remarks
ZL800	YECCL51R206T	Filter	
ZL801	YECCL51R206T	Filter	

9.2. SW/VOL. BLOCK [E8748]

Diodes

Ref. No.	Part No.	Part Name & Description	Remarks
D904	B3ABA0000328	LED	
D905	B3ABA0000328	LED	
D906	B3ABA0000328	LED	
D908	B3ABA0000328	LED	
D909	B3ABA0000328	LED	
D910	B3ABA0000328	LED	
D911	B3ABA0000328	LED	
D913	B3ABA0000328	LED	
D914	B3ABA0000328	LED	
D915	B3ABA0000328	LED	
D916	B3ABA0000328	LED	
D917	B3ABA0000328	LED	
D918	B3ABA0000328	LED	
D919	B3ABA0000328	LED	
D920	B3ABA0000328	LED	
D921	B3ABA0000328	LED	

Capacitors

Ref. No.	Part No.	Part Name & Description	Remarks
C914	YECUS1H101JM	Ceramic, 100PF 50WV	
C915	YECUS1H101JM	Ceramic, 100PF 50WV	

Resistors

Ref. No.	Part No.	Part Name & Description	Remarks
R906	ERJ8GEYJ221V	Chip, 220Ω 1/8W	
R907	ERJ8GEYJ680V	Chip, 68Ω 1/8W	
R908	ERJ8GEYJ680V	Chip, 68Ω 1/8W	
R909	ERJ8GEYJ750V	Chip, 75Ω 1/8W	
R910	ERJ8GEYJ271V	Chip, 270Ω 1/8W	
R911	ERJ8GEYJ101V	Chip, 100Ω 1/8W	
R914	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R915	ERJ6GEYJ331	Chip, 330Ω 1/10W	

Connectors

Ref. No.	Part No.	Part Name & Description	Remarks
CP900	K1MQ12A00005	Connector, 12P	
CP902	YEAETKCF06PS	Connector, 6P	

Switches

Ref. No.	Part No.	Part Name & Description	Remarks
SW900	EVQ24704K	Switch	
SW901	EVQ24704K	Switch	
SW902	EVQ24704K	Switch	
SW903	EVQ24704K	Switch	
SW904	EVQ24704K	Switch	
SW905	EVQ24704K	Switch	
SW906	EVQ24704K	Switch	
SW907	EVQ24704K	Switch	
SW908	EVQ24704K	Switch	
SW909	EVQ24704K	Switch	
SW910	EVQ24704K	Switch	
SW911	EVQ24704K	Switch	
SW912	EVQ24704K	Switch	
SW913	EVQ24704K	Switch	
SW914	EVQ24704K	Switch	
SW915	EVQ24704K	Switch	

LCD

Ref. No.	Part No.	Part Name & Description	Remarks
LCD1	L5ADAJF00005	LCD Display	

Variable Resistors

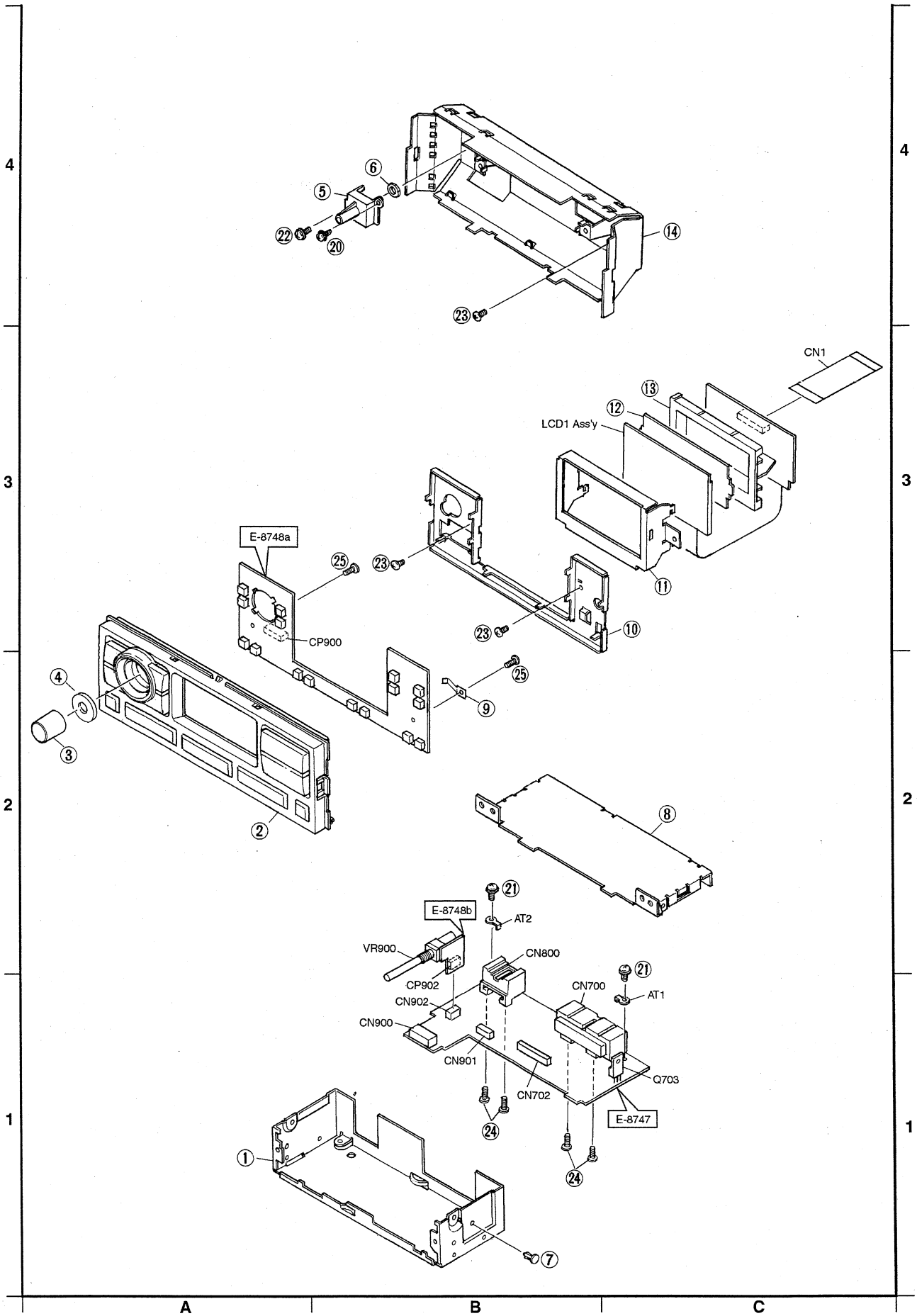
Ref. No.	Part No.	Part Name & Description	Remarks
VR900	YEVK09710ET	Variable Resistor	

9.3. MECHANICAL PARTS

Miscellaneous

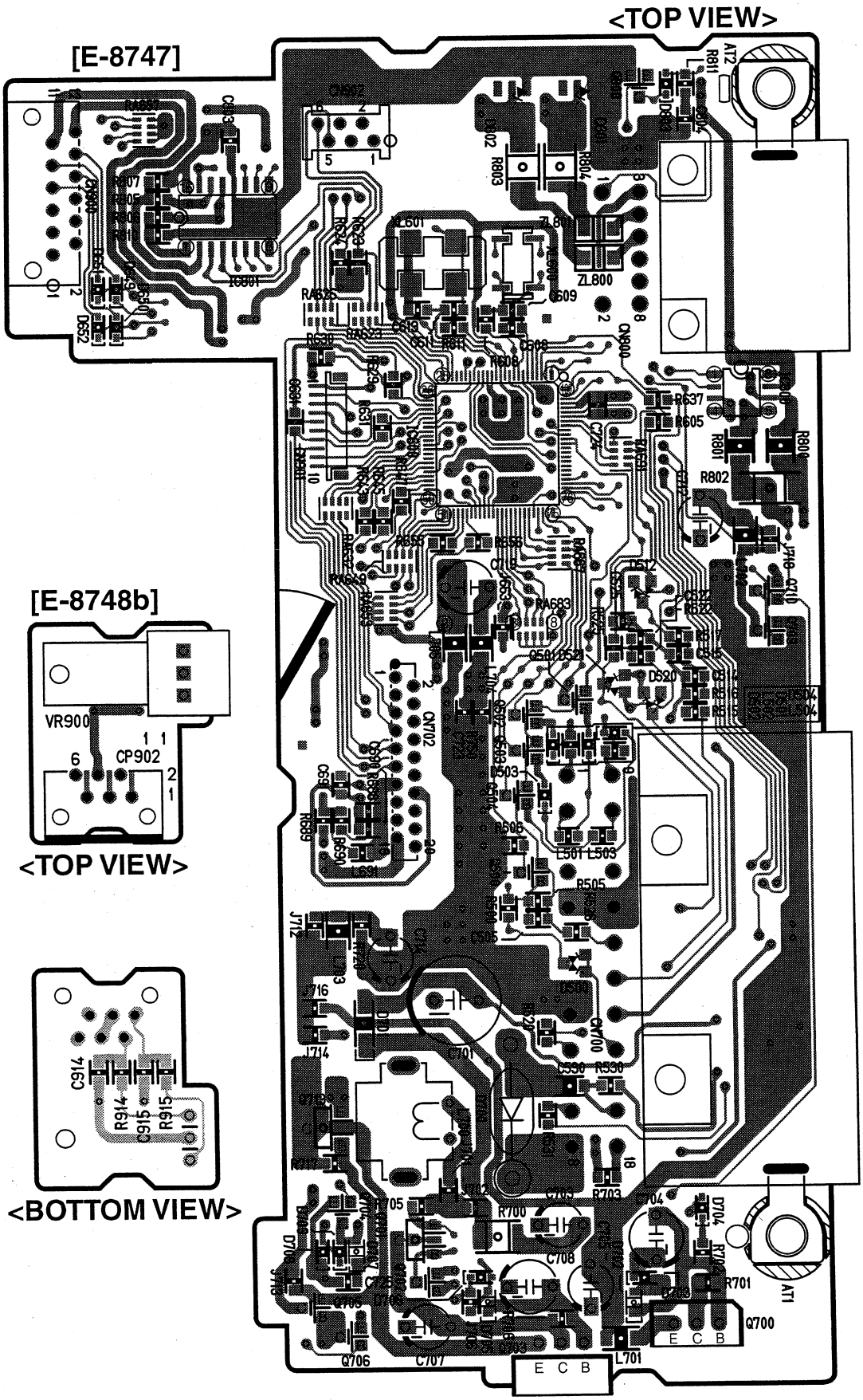
Ref. No.	Part No.	Part Name & Description	Remarks
AT1	YEAT03346A	Terminal	
AT2	YEAT03346A	Terminal	
1	YEFA011817	Chassis	(1-B)
2	YEFC026594A	Escutcheon	(2-A)
3	YEFE02344	Knob	(2-A)
4	YEFS011665A	Pad	(2-A)
5	YEFK06910A	Holder, VOL.	(4-B)
6	YEJN01076	Nut, 7mm	(4-B)
7	YEFJ05040	Color Rivet	(1-B)
8	YEFA031625	Upper Cover	(2-C)
9	YEFX0213919	Earth Bracket	(2-B)
10	YEFA07504	Front Plate	(3-C)
11	YEFA131461	Cover, LCD	(3-C)
12	YEFV021579A	Optical Shade	(3-C)
13	YEFK06909	Holder, LCD	(3-C)
14	YEFA07503A	Front Plate	(4-C)
20	YEJT03163	Tapping Screw, 2mm * 6mm	
21	YEJT03015	Tapping Screw, 3mm * 6mm	
22	YEJT03009	Tapping Screw, 3mm * 8mm	
23	XTB3+6FFX	Tapping Screw, 3mm * 6mm	
24	XTB3+6GFN	Tapping Screw, 3mm * 6mm	
25	XTB2+6GFX	Tapping Screw, 2mm * 6mm	

10 EXPLODED VIEW (Unit)



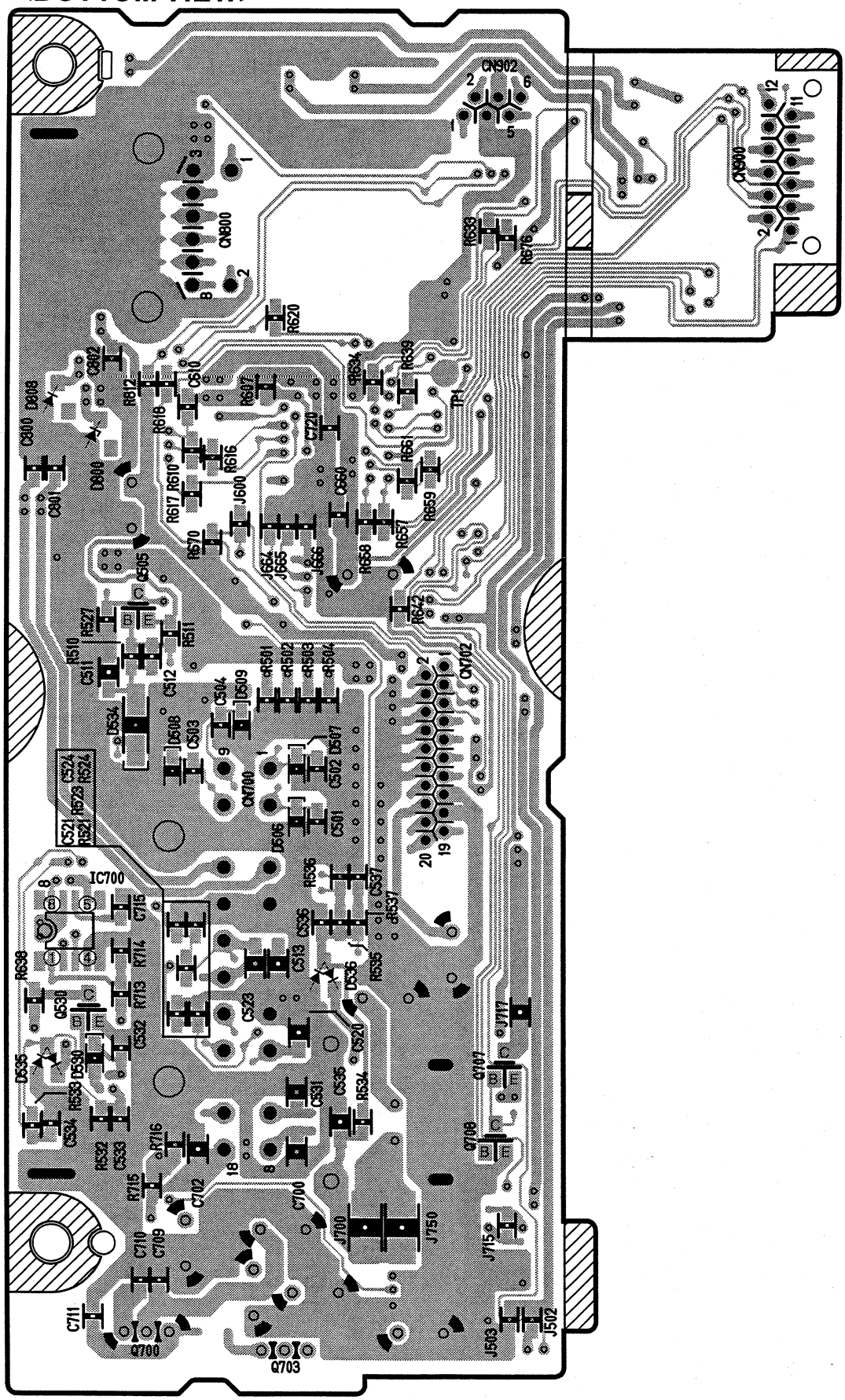
11 WIRING DIAGRAM

11.1. Main Block (Top View)



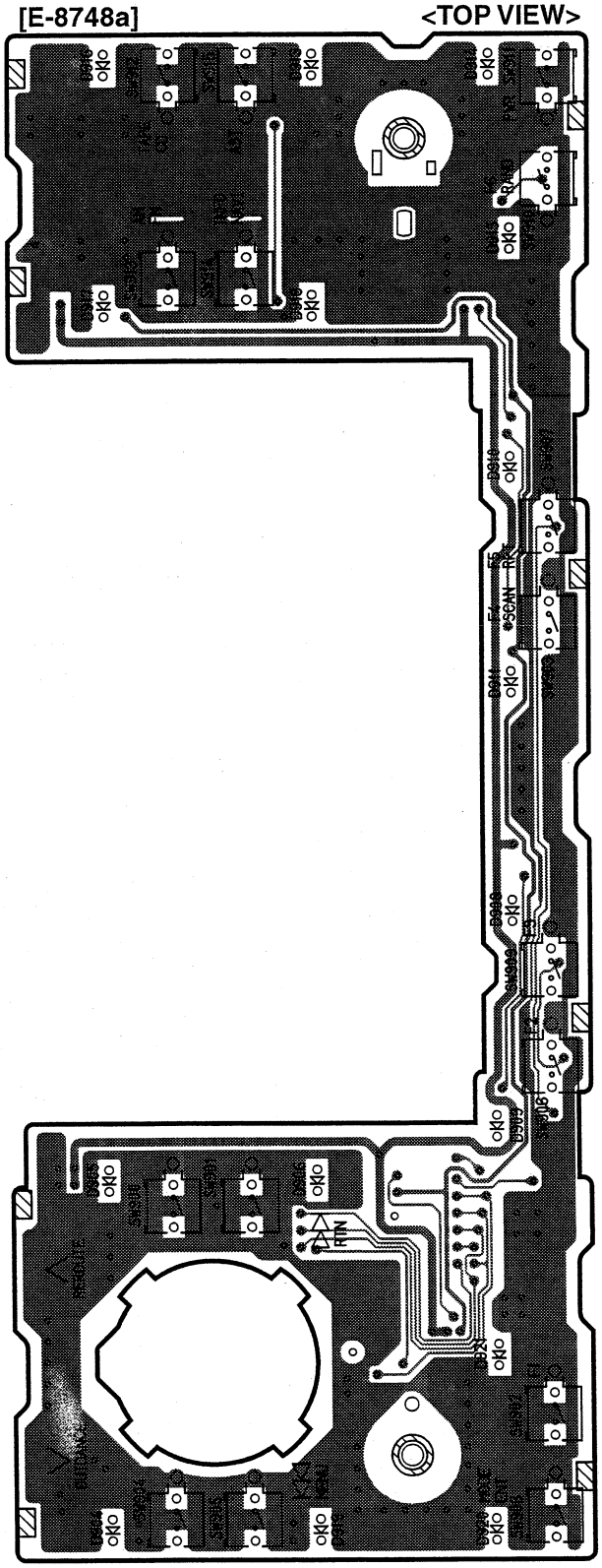
11.2. Main Block (Bottom View)

<BOTTOM VIEW>

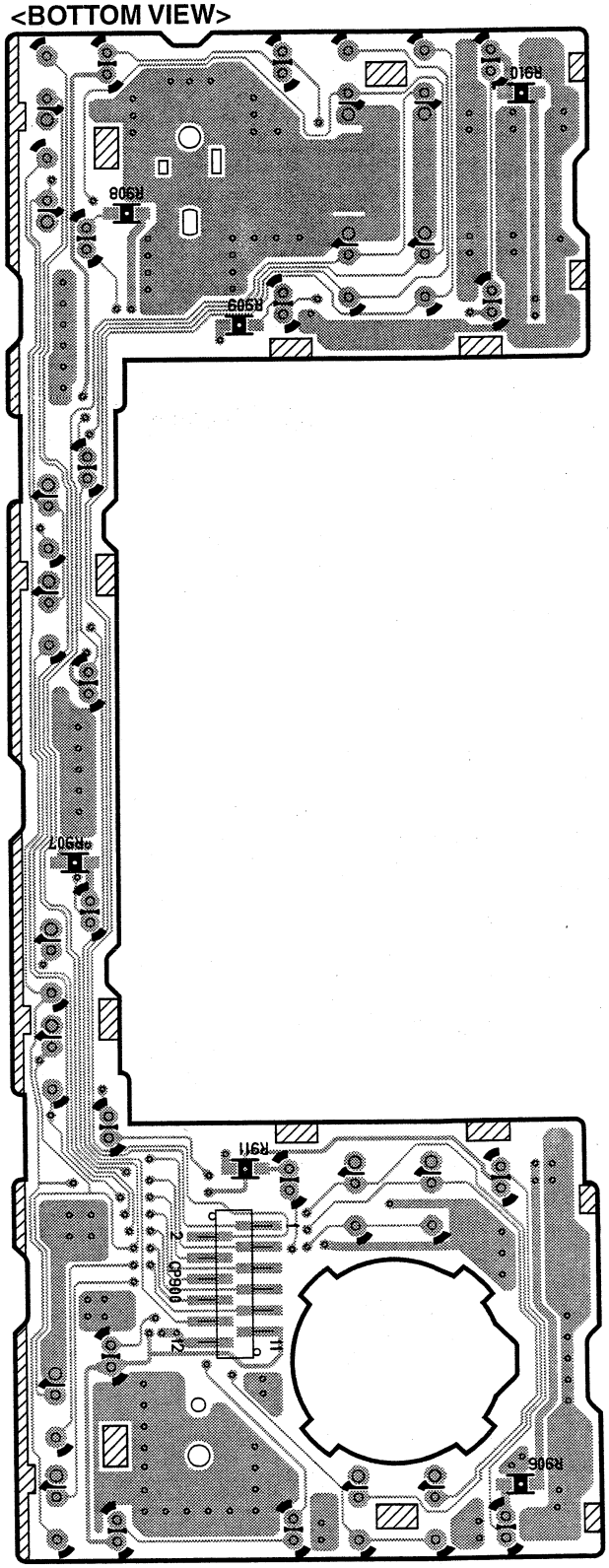


11.3. Display Block

[E-8748a] <TOP VIEW>

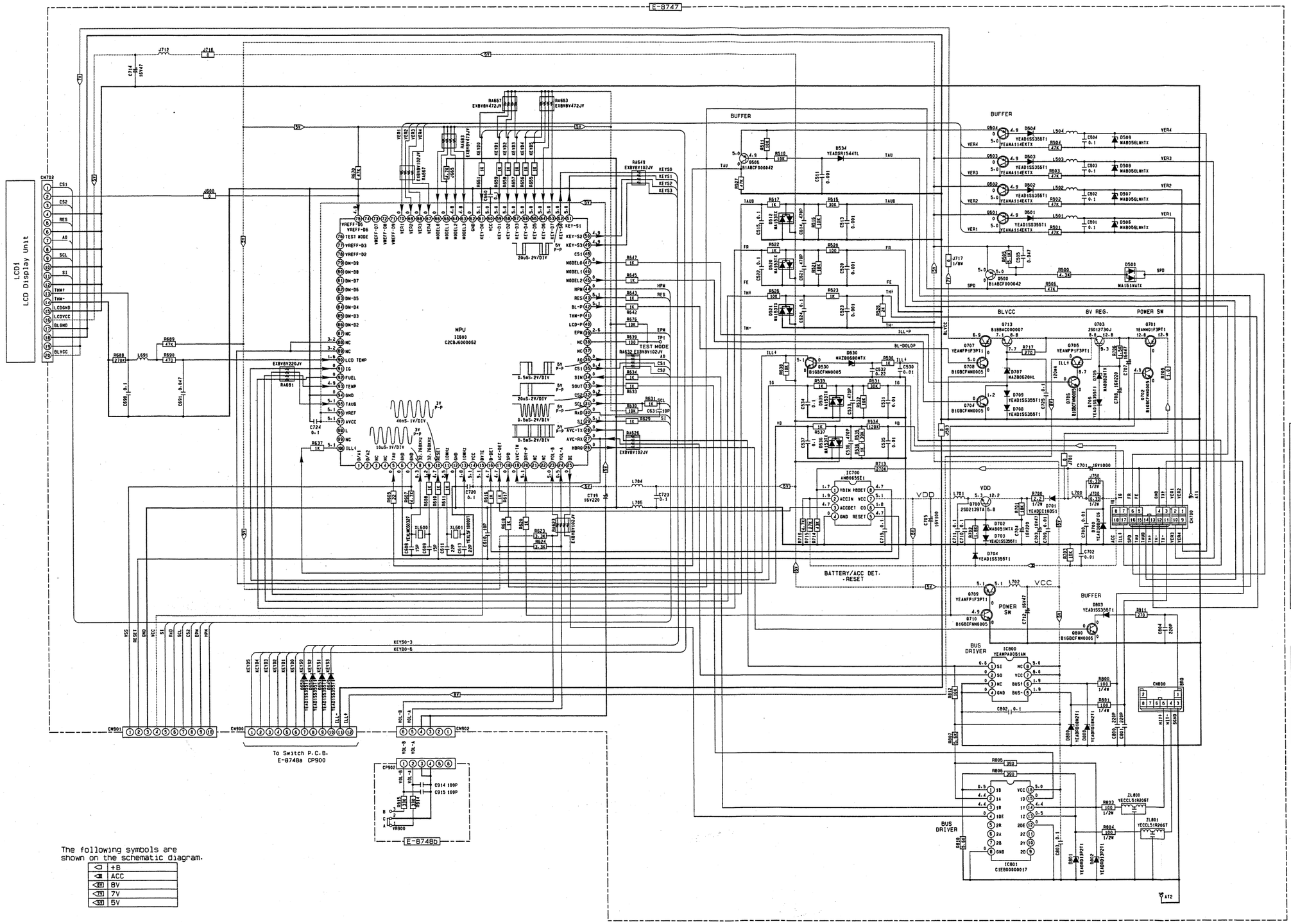


<BOTTOM VIEW>

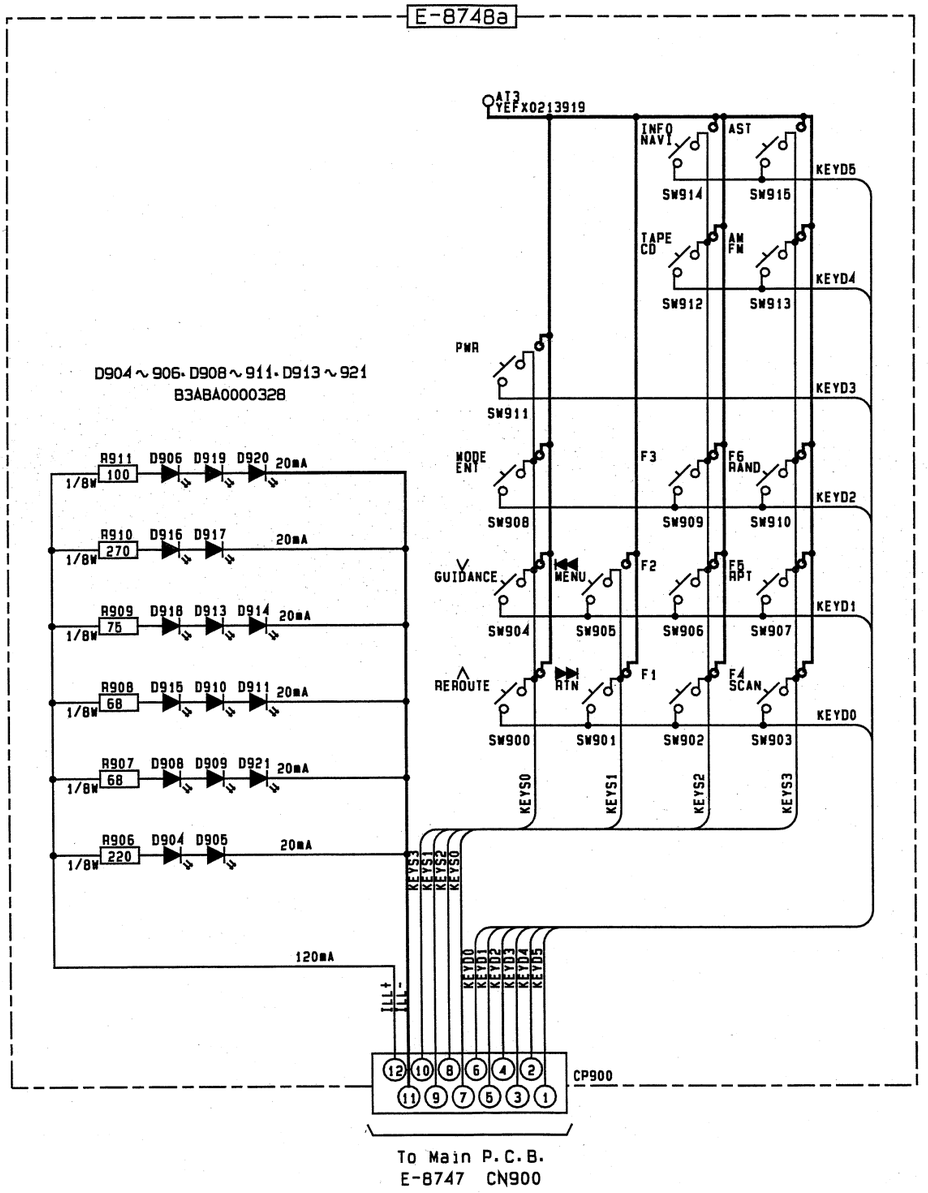


12 SCHEMATIC DIAGRAM

12.1. Main Block



12.2. Display Block



PARTS AVAILABILITY

HOW TO ORDER REPLACEMENT PARTS

Replacement parts can be ordered from either a Parts Depot or directly from Toyota Motor Corporation. When ordering, please refer to the Replacement Parts List in this service manual to insure that you receive the correct part.
Please enter not only part number(s) but also unit number of TOYOTA car radio / car stereo in a REMARKS columun of the order sheet.

DISPONIBILIDAD DE PARTES DE REPUESTO

METODO DE HACER PEDIDOS DE PARTES DEREPUESTO

Partes de repuesto pueden pedirse tanto a un Depósito de Partes de Repuesto (Parts Depot) como directamente a la Toyota Motor Corporation. En hacer los pedidos, refiérase a la Lista de Partes de Repuesto que se encuentra en este manual de servicio a fin de asegurarse de su recibo de las partes correctas.
Favor llenar la columna OBSERVACIONES de la hoja de pedido no solamente con el (los) número(s) de part(s) sino también con el número de la unidad de radio/estéreo de carro, TOYOTA.

DISPONIBILITE DE PIECES

MOYEN DE COMMANDER DES PIECES DE RECHANGE.

Les pièces de rechange seront commandées au Depôt de Pièces (Parts Depot) ou directement à Toyota Motor Corporation. Lors d'une commande, veuillez consulter le Liste de pièces de rechange dans ce manuel d'atelier pour être sûr que vous recevez la pièce extacte. Veuillez écrire non seulement le(s) numéro(s) de pièce mais aussi le numéro d'unité de TOYOTA auto-radio/auto-stéréo dans la colonne REMARQUES du bullentin de commande.

TOYOTA PARTS AND ACCESSORIES ORDER

PAGE NO ____ OF ____

TO OVERSEAS PARTS DEPARTMENT TOYOTA MOTOR CORPORATION NAGOYA, JAPAN

☐ WEEKLY AIR ORDER ☐ EMERGENCY AIR ORDER
☐ NEW PARTS ORDER FOR MODEL: ..... ☐ PRINTED MATTER
☐ OTHERS: .....

DATE | B O | ORDER NO

AIR FREIGHT

TO (PORT)

TOYOTA'S COLUMNS

1 CD 3	4 DIST F/D CODE 10	11 ORDER NO 18	19 H/I
D A 5	9		2

TOYOTA'S COLUMNS

20 ITEM NO 23	24 PART NO 38	39 QTY 44	45 TRF 47	48 LOCATION 55	56 指 定 価 格 64	65 引当指示日 70	REMARKS
	YEFC021421						86120-32040

U.S.A. — PANASONIC PARTS DEPOT

EASTERN REGIONAL PARTS DEPOT
1225 NORTHBROOK PARKWAY SUITE 2-400
SUWANEE, GA 30174
PHONE : (404) 388-6800

WESTERN REGIONAL PARTS DEPOT
20421 84TH AVE. SOUTH
KENT, WA 98032
PHONE : (206)-395-7343

CANADA — PANASONIC PARTS DEPOT

TRONTO
PANASONIC CANADA INC.
5770 AMBLER DRIVE, MISSISSAUGA, ONTARIO L4W 2T3
PHONE : (905)-624-5010

EUROPE — PANASONIC PARTS DEPOT

HAMBURG
PANASONIC SERVICE DEUTSCHLAND G.M.B.H.
2000 HAMBURG 28 AUSSCHLAGER BILLDEICH 32 F.R. GERMANY
PHONE : (040)-789511

SCANDINAVIA — PANASONIC PARTS DEPOT

STOCKHOLM
PANASONIC SERVICE SCANDINAVIAN A.B.
INSTRUMENTVAGEN 29-31, BOX 43047,
100 72 STOCKHOLM, SWEDEN
PHONE : 08-190180

AUSTRALIA — PANASONIC PARTS DEPOT

SYDNEY
PANASONIC AUSTRALIA PTY, LTD
1 GARIGAL ROAD, BELROSE, N.S.W. 2085
PHONE : (02)-986-7640

MELBOURNE
PANASONIC AUSTRALIA PTY, LTD
1 CARIBBEAN DRIVE, SCORESBY VIC. 3179
PHONE : (03)-213-8888

ADELAIDE
PANASONIC AUSTRALIA PTY, LTD
125 PORT ROAD, HINDMARSH S.A. 5007
PHONE : (08)-346-3999

BRISBANE
PANASONIC AUSTRALIA PTY, LTD
494 NUDGEE ROAD, HENDRA QUEENSLAND. 4012
PHONE : (07)-268-6455

PERTH
PANASONIC AUSTRALIA PTY, LTD
37 KEWDALE ROAD, WELSHPOOL, W.A. 6106
PHONE : (09)-451-7211

OTHER COUNTRIES

Please order from the Overseas Parts Department, Toyota Motor Corporation, using the normal Parts & Accessories Order From for ordering Automobile parts.

OTROS PAISES

Favor hacer pedidos al Departamento Partes al Ultramar (Overseas parts Department), Toyota Motor Corporation utilizando el formulario normal de pedido de partes y accesorios que se usa para pedir las partes de repuestos de automóviles.

AUTRES PAYS

Veuillez commandes au départment de pièces d'outre-mer (Overseas Parts Department), Toyota Motor Corporation, en vous servant du Bulletin de Commande Pièces & Accessoires pour des commandes de pièces d'automobile.

TOYOTA MOTOR CORPORATION

OVERSEAS SERVICE DIVISION

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